BRUHAT BANGALORE MAHANAGARA PALIKE

PACKAGE-5

NAME OF WORK:-Package-5, includes 4 works of Rs.170 Lakhs 1)Reasphalting to main and cross roads at B,Cand D Blocks of Sahakaranagara in ward no 8 Kodigehalli 2)Improvements to Roads and Drains at Devinagar and Lottegollahalli in Ward No 08 Kodigehalli 3)Improvements to roads and drains at Balaji layout and Surroundings in ward no 08 Kodigehalli 4)Providing and Laying new Road at Sonnegowda Layout and Surroundings in ward no 08Kodigehalli

Agency:M/s KBR Infratech Limited, #01, 1st Floor, 8th Main, RMV Extn IInd Stage, Tatanagara, Bangalore -560094

Measurements Taken On :

MEASUREMENT SHEET - 1st and PART BILL

Chainage		Description of Item	Unit	No	Length	Breadt	Depth	Quantity	Remarks
From	To				(m)	(m)	(m)		
Item No. 1		Removing and resetting of footpath slab (P.No.265, I.No.37.56of PW, P&IWTD SR 2016-17)							
0	15		sqm	1	15	0.75		11.25	✓
15	20.1		sqm	1	5.1	0.75		3.83	✓
20.1	26.2		sqm	1	6.1	0.75		4.58	✓
26.2	41.2		sqm	1	15	0.75		11.25	✓
41.2	56.2		sqm	1	15	0.75		11.25	✓
56.2	71.2		sqm	1	15	0.75		11.25	✓
71.2	82.8		sqm	1	11.6	0.75		8.70	✓
82.8	99.8		sqm	1	17	0.75		12.75	✓
							TOTAL	**74.85**	✓

KBR INFRATECH PVT. LTD. BANGALORE

Contactor

RUDRAPRASAD CONSULTANTS BANGALORE

PMC

Assistant Engineer 28/6

Assistant Executive Engineer

Assistant Executive Engineer
Kodigehalli Sub Division.
Yelahanka Zone, B.B.M.P.
Bangalore.

BRUHAT BANGALORE MAHANAGARA PALIKE

PACKAGE-5

NAME OF WORK:-Package-5, includes 4 works of Rs.170 Lakhs 1)Reasphalting to main and cross roads at B,Cand D Blocks of Sahakaranagara in ward no 8 Kodigehalli 2)Improvements to Roads and Drains at Devinagar and Lottegollahalli in Ward No 08 Kodigehalli 3)Improvements to roads and drains at Balaji layout and Surroundings in ward no 08 Kodigehalli 4)Providing and Laying new Road at Sonnegowda Layout and Surroundings in ward no 08Kodigehalli

Agency:M/s KBR Infratech Limited, #01, 1st Floor, 8th Main, RMV Extn IInd Stage, Tatanagara, Bangalore -560094

Measurements Taken On :

MEASUREMENT SHEET - 1st and PART BILL

Item No. 2	Earth work excavation by manual means in ordinary soil involving an average horizontal throw upto 2 meters and an average lift upto 0.5m, excavated surface levelled and sides neately dressed, the disposed earth to be levelled neatly after breaking of clods complete as per specification and as per specifications and as per the direction of Engineer in charge of the work.

		Drain							
		Devingara 6th cross							
		left side drain							
0	30		Cum	1	30	0.95	0.85	24.23	✓
30	60		Cum	1	30	0.90	0.85	22.95	✓
60	90		Cum	1	30	0.90	0.85	22.95	✓
90	120		Cum	1	30	0.95	0.85	24.23	✓
120	150		Cum	1	30	0.95	0.85	24.23	✓
150	163.1		Cum	1	13.1	0.95	0.85	10.58	✓
		right side drain							
0	30		Cum	1	30	0.95	0.85	24.23	✓
30	60		Cum	1	30	0.95	0.85	24.23	✓
60	90		Cum	1	30	0.95	0.85	24.23	✓
90	120		Cum	1	30	0.95	0.85	24.23	✓
120	150		Cum	1	30	0.95	0.85	24.23	✓
150	163.1		Cum	1	13.1	0.95	0.85	10.58	

KBR INFRATECH LIMITED BANGALORE Contactor

RUDRAPRASAD CONSULTANTS BANGALORE PMC

Assistant Engineer 30/6

Assistant Executive Engineer

Assistant Executive Engine
Kodigehalli Sub Division
Yelahanka Zone, B.B.M.P
Bangalore.

BRUHAT BANGALORE MAHANAGARA PALIKE

PACKAGE-5

NAME OF WORK:-Package-5, includes 4 works of Rs.170 Lakhs 1)Reasphalting to main and cross roads at B,Cand D Blocks of Sahakaranagara in ward no 8 Kodigehalli 2)Improvements to Roads and Drains at Devinagar and Lottegollahalli in Ward No 08 Kodigehalli 3)Improvements to roads and drains at Balaji layout and Surroundings in ward no 08 Kodigehalli 4)Providing and Laying new Road at Sonnegowda Layout and Surroundings in ward no 08Kodigehalli

Agency:M/s KBR Infratech Limited, #01, 1st Floor, 8th Main, RMV Extn IInd Stage, Tatanagara, Bangalore -560094

Measurements Taken On :

MEASUREMENT SHEET - 1st and PART BILL

		Devinagar 6th A cross							
		left side drain	Cum						
0	30		Cum	1	30	0.95	0.80	22.80	✓
30	60		Cum	1	30	0.90	0.85	22.95	✓
60	90		Cum	1	30	0.90	0.85	22.95	✓
90	108.3		Cum	1	18.3	0.95	0.85	14.78	✓
		Right Side	Cum						
0	30		Cum	1	30	0.95	0.80	22.80	✓
30	60		Cum	1	30	0.95	0.85	24.23	✓
60	90		Cum	1	30	0.90	0.85	22.95	✓
90	114		Cum	1	24	0.95	0.85	19.38	✓
		sai baba temple (near kodigehalli circle)							
0	30		Cum	1	30	0.90	0.80	21.60	✓
		muneshwara block 5th cross							
0	15		Cum	1	15	0.50	0.45	3.38	✓
15	20.1		Cum	1	5.1	0.50	0.45	1.15	✓
20.1	26.2		Cum	1	6.1	0.50	0.45	1.37	✓
26.2	41.2		Cum	1	15	0.50	0.45	3.38	✓
41.2	56.2		Cum	1	15	0.50	0.45	3.38	✓
56.2	71.2		Cum	1	15	0.50	0.45	3.38	✓
71.2	82.8		Cum	1	11.6	0.50	0.45	2.61	✓

KBR INFRATECH LIMITED BANGALORE

Contactor

RUDRAPRASAD CONSULTANTS BANGALORE

PMC

Assistant Engineer 30/6

Assistant Executive Engineer 30/6

Assistant Executive Engineer
Kodigehalli Sub Division
Yelahanka Zone, B.B.M.P
Bangalore.

BRUHAT BANGALORE MAHANAGARA PALIKE									
PACKAGE-5									
NAME OF WORK:-Package-5, includes 4 works of Rs.170 Lakhs 1)Reasphalting to main and cross roads at B,Cand D Blocks of Sahakaranagara in ward no 8 Kodigehalli 2)Improvements to Roads and Drains at Devinagar and Lottegollahalli in Ward No 08 Kodigehalli 3)Improvements to roads and drains at Balaji layout and Surroundings in ward no 08 Kodigehalli 4)Providing and Laying new Road at Sonnegowda Layout and Surroundings in ward no 08Kodigehalli									
Agency:M/s KBR Infratech Limited, #01, 1st Floor, 8th Main, RMV Extn IInd Stage, Tatanagara, Bangalore -560094									
Measurements Taken On :									
MEASUREMENT SHEET - 1st and PART BILL									
82.8	99.8		Cum	1	17	0.50	0.45	3.83	✓
		culvert							
0	6		Cum	1	6	1.30	1.00	7.80	✓
							TOTAL	**485.54**	✓

KBR INFRATECH LIMITED BANGALORE

Contactor

RUDRAPRASAD CONSULTANTS BANGALORE

PMC

Assistant Engineer

Assistant Executive Engineer

Assistant Executive Engineer
Kodigehalli Sub Division,
Yelahanka Zone, B.B.M.P.,
Bangalore.

BRUHAT BANGALORE MAHANAGARA PALIKE

PACKAGE-5

NAME OF WORK:-Package-5, includes 4 works of Rs.170 Lakhs 1)Reasphalting to main and cross roads at B,Cand D Blocks of Sahakaranagara in ward no 8 Kodigehalli 2)Improvements to Roads and Drains at Devinagar and Lottegollahalli in Ward No 08 Kodigehalli 3)Improvements to roads and drains at Balaji layout and Surroundings in ward no 08 Kodigehalli 4)Providing and Laying new Road at Sonnegowda Layout and Surroundings in ward no 08Kodigehalli

Agency:M/s KBR Infratech Limited, #01, 1st Floor, 8th Main, RMV Extn IInd Stage, Tatanagara, Bangalore -560094

Measurements Taken On :

MEASUREMENT SHEET - 1st and PART BILL

Item No. 3 — KSRRB M200-13.1. Dismantling of existing structures like culverts, bridges, retaining walls and other structure comprising of masonry, cement concrete, wood work, steel work, including T&P and scaffolding wherever necessary, sorting the dismantled material, disposal of unserviceable material and stacking the serviceable material with all lifts complete as per specifications. II. By Mechanical Means. A. Cement Concrete Grade M-15 &M-20. MORTH Specification No. 202 (P.No.134, I.No.18.20 of PW,P&IWTD S.R 2016-17)

		for road							
		muneshwara block 5th cross							
0	15		Cum	1	15	3.49	0.18	9.42	✓
15	20.1		Cum	1	5.1	4.15	0.18	3.81	✓
20.1	26.2		Cum	1	6.1	4.05	0.18	4.45	✓
26.2	41.2		Cum	1	15	3.95	0.18	10.67	✓
41.2	56.2		Cum	1	15	4.05	0.18	10.94	✓
56.2	71.2		Cum	1	15	3.80	0.18	10.26	✓
71.2	82.8		Cum	1	11.6	3.80	0.18	7.93	✓
							TOTAL	**57.47**	✓

Contactor

PMC

Assistant Engineer 30/6

Assistant Executive Engineer
Kodigehalli Sub Division
Yelahanka Zone, B.B.M.P
Bangalore.

BRUHAT BANGALORE MAHANAGARA PALIKE									
PACKAGE-5									
NAME OF WORK:-Package-5, includes 4 works of Rs.170 Lakhs 1)Reasphalting to main and cross roads at B,Cand D Blocks of Sahakaranagara in ward no 8 Kodigehalli 2)Improvements to Roads and Drains at Devinagar and Lottegollahalli in Ward No 08 Kodigehalli 3)Improvements to roads and drains at Balaji layout and Surroundings in ward no 08 Kodigehalli 4)Providing and Laying new Road at Sonnegowda Layout and Surroundings in ward no 08Kodigehalli									
Agency:M/s KBR Infratech Limited, #01, 1st Floor, 8th Main, RMV Extn IInd Stage, Tatanagara, Bangalore -560094									
Measurements Taken On :									
MEASUREMENT SHEET - 1st and PART BILL									
Item no.4		KSRB 4-1.2: Providing and laying in position plain cement concrete of mix 1:3:6 with OPC cement @ 220kgs, with 40mm and down size graded granite metal coarse aggregates @ 0.892 cum and fine aggregates @ 0.465 cum, machine mixed, concrete laid in layers not exceeding 15 cms. thick, well compacted, in foundation including cost of all materials, labour, HOM of machinery, curing complete as per specifications. Specification No. KBS 4.1, 4.2. (P.No.12, I.No.4.2 of PW,P&IWTD S.R 2016-17)							
		Devinagar							
		Devingara 6th cross							
		bed concrete							
		left side drain							
0	30		Cum	1	30	0.95	0.15	4.28	✓
30	60		Cum	1	30	0.90	0.15	4.05	✓
60	90		Cum	1	30	0.90	0.15	4.05	✓
90	120		Cum	1	30	0.95	0.15	4.28	✓
120	150		Cum	1	30	0.95	0.15	4.28	✓
150	163.1		Cum	1	13.1	0.95	0.15	1.87	✓
		right side drain							
0	30		Cum	1	30	0.95	0.15	4.28	✓
30	60		Cum	1	30	0.95	0.15	4.28	✓
60	90		Cum	1	30	0.95	0.15	4.28	✓
90	120		Cum	1	30	0.95	0.15	4.28	✓
120	150		Cum	1	30	0.95	0.15	4.28	✓
150	163.1		Cum	1	13.1	0.95	0.15	1.87	✓

Contactor PMC Assistant Engineer 2/7 Assistant Executive Engineer

Assistant Executive Engine
Kodigehalli Sub Division
Yelahanka Zone, B.B.M.P
Bangalore.

BRUHAT BANGALORE MAHANAGARA PALIKE

PACKAGE-5

NAME OF WORK:-Package-5, includes 4 works of Rs.170 Lakhs 1)Reasphalting to main and cross roads at B,Cand D Blocks of Sahakaranagara in ward no 8 Kodigehalli 2)Improvements to Roads and Drains at Devinagar and Lottegollahalli in Ward No 08 Kodigehalli 3)Improvements to roads and drains at Balaji layout and Surroundings in ward no 08 Kodigehalli 4)Providing and Laying new Road at Sonnegowda Layout and Surroundings in ward no 08Kodigehalli

Agency:M/s KBR Infratech Limited, #01, 1st Floor, 8th Main, RMV Extn IInd Stage, Tatanagara, Bangalore -560094

Measurements Taken On :

MEASUREMENT SHEET - 1st and PART BILL

		Devinagar 6th A cross							
		left side drain	Cum						
0	30		Cum	1	30	0.95	0.15	4.28	
30	60		Cum	1	30	0.90	0.15	4.05	
60	90		Cum	1	30	0.90	0.15	4.05	
90	108.3		Cum	1	18.3	0.95	0.15	2.61	
		Right Side	Cum						
0	30		Cum	1	30	0.95	0.15	4.28	
30	60		Cum	1	30	0.95	0.15	4.28	
60	90		Cum	1	30	0.90	0.15	4.05	
90	114		Cum	1	24	0.95	0.15	3.42	
		sai baba temple (near kodigehalli circle)							
0	30		Cum	1	30	0.90	0.15	4.05	
		for road							
		culvert							
0	6		Cum	1	6	1.30	0.15	1.17	
		muneshwara block 5th cross							
0	15		Cum	1	15	3.49	0.15	7.85	
15	20.1		Cum	1	5.1	4.15	0.15	3.17	
20.1	26.2		Cum	1	6.1	4.05	0.15	3.71	
26.2	41.2		Cum	1	15	3.95	0.15	8.89	

KBR INFRATECH LIMITED BANGALORE
Contactor

SAB CONSULTANTS BANGALORE PMC

Assistant Engineer 2/7

Assistant Executive Engineer

Assistant Executive Engineer
Kodigehalli Sub Division
Yelahanka Zone, B.B.M.P.,
Bangalore.

BRUHAT BANGALORE MAHANAGARA PALIKE									
PACKAGE-5									
NAME OF WORK:-Package-5, includes 4 works of Rs.170 Lakhs 1)Reasphalting to main and cross roads at B,Cand D Blocks of Sahakaranagara in ward no 8 Kodigehalli 2)Improvements to Roads and Drains at Devinagar and Lottegollahalli in Ward No 08 Kodigehalli 3)Improvements to roads and drains at Balaji layout and Surroundings in ward no 08 Kodigehalli 4)Providing and Laying new Road at Sonnegowda Layout and Surroundings in ward no 08Kodigehalli									
Agency:M/s KBR Infratech Limited, #01, 1st Floor, 8th Main, RMV Extn IInd Stage, Tatanagara, Bangalore -560094									
Measurements Taken On :									
MEASUREMENT SHEET - 1st and PART BILL									
41.2	56.2		Cum	1	15	4.05	0.15	9.11	✓
56.2	71.2		Cum	1	15	3.80	0.15	8.55	✓
71.2	82.8		Cum	1	11.6	3.80	0.15	6.61	✓
82.8	99.8		Cum	1	17	3.80	0.15	9.69	✓
							TOTAL	**139.84**	✓
		Q							

Contactor

PMC

Assistant Engineer

Assistant Executive Engineer

Assistant Executive Engine
Kodigehalli Sub Division
Yelahanka Zone, B.B.M.P.
Bangalore.

BRUHAT BANGALORE MAHANAGARA PALIKE

Project: SFC Package 5

Sl No	Name of the work
1	Reasphalting to main and cross roads at B,Cand D Blocks of Sahakaranagara in ward no 8
2	Improvements to Roads and Drains at Devinagar and Lottegollahalli in Ward No 08 Kodigehalli
3	Improvements to roads and drains at Balaji layout and Surroundings in ward no 08
4	Providing and Laying new Road at SonnegowdaLayout and Surroundings in ward no8 Kodigehalli

Agency :M/s KBR Infratech Limited, #01, 1st Floor, 8th Main, RMV Extn IInd Stage, Tatanagara, Bangalore -560094

MEASUREMENT SHEET - 1ST & Part Bill

STEEL CALCULATION

Sl NO	Description	Nos	BAR DIA	No. Bars	Total No. bars	Length	Total Length	Weight	Total weight
			mm			m	m	kg/m	Kg's
	Item no. 7	KSRB - 4.9.2: Providing TMT steel reinforcement Fe500 for R.C.C work including straightening, cutting, bending, hooking, palcing in position, lapping and / or welding wherever required, tying with binding wire and anchoring to the adjoining memebrs wherever necessary complete as per design (laps, hooks and wastage shall not be measured and paid) cost of materials, labour, HOM of machinery complete as per specifications. Specification No. KBS 4.6.3. (P.No.17, I.No.4.46.2 of PW, P&IWTD SR 2016-17)							
	Devinagara 6th Cross								
	LHS and RHS Drain								
	Main Bars (#10@100 c/c)	2	10	1632	3264	1.95	6364.80	0.616538	3924.14
	Distribution(11-#8)	2	8	11	22	163.10	3588.20	0.394584	1415.85
	Devinagara 6 A th Cross								
	LHS Drain								
	Main Bars (#10@100 c/c)	1	10	1084	1084	1.95	2113.80	0.616538	1303.24
	Distribution(11-#8)	1	8	11	11	108.30	1191.30	0.394584	470.07
	Devinagara 6 A th Cross								
	RHS Drain								
	Main Bars (#10@100 c/c)	1	10	1141	1141	1.95	2224.95	0.616538	1371.77
	Distribution(11-#8)	1	8	11	11	114.00	1254.00	0.394584	494.81
	Sai baba temple (near kodigehalli circle)								
	Drain								
	Main Bars (#10@100 c/c)	1	10	301	301	1.95	586.95	0.616538	361.88
	Distribution(11-#8)	1	8	11	11	30.00	330.00	0.394584	130.21
	Culvert								
	side wall								
	Main Bars outer face (#12@100 c/c)	1	12	61	61	2.90	176.90	0.887814	157.05
	Main Bars inner face (#12@100 c/c)	2	12	61	122	1.10	134.20	0.887814	119.14
	Distribution								
	side walls(3-#10)	4	10	3	12	6.00	72.00	0.616538	44.39
	bottom slab(3-#10)	2	10	3	6	7.00	42.00	0.616538	25.89
								TOTAL QTY IN KG'S	**9818.44**
								TOTAL QTY IN TONNE	**9.82**

KBR INFRATECH LIMITED BANGALORE — Contractor

DYAPRASAD CONSULTANTS BANGALORE — PMC

Assistant Engineer 4/7

Assistant Executive Engineer

Assistant Executive Engineer
Kodigehalli Sub Division

BRUHAT BANGALORE MAHANAGARA PALIKE									
PACKAGE-5									
NAME OF WORK:-Package-5, includes 4 works of Rs.170 Lakhs 1)Reasphalting to main and cross roads at B,Cand D Blocks of Sahakaranagara in ward no 8 Kodigehalli 2)Improvements to Roads and Drains at Devinagar and Lottegollahalli in Ward No 08 Kodigehalli 3)Improvements to roads and drains at Balaji layout and Surroundings in ward no 08 Kodigehalli 4)Providing and Laying new Road at Sonnegowda Layout and Surroundings in ward no 08Kodigehalli									
Agency:M/s KBR Infratech Limited, #01, 1st Floor, 8th Main, RMV Extn IInd Stage, Tatanagara, Bangalore -560094									
Measurements Taken On :									
MEASUREMENT SHEET - 1st and PART BILL									
Item No. 5		KSRB 4-6.4: Providing and removing centering, shuttering, strutting, propping etc., and removal of form work for vertical surfaces such as walls at any thickness, including attached pilasters, buttresses, plinth and string courses cost of all materials, labour complete as per specifications and as per the direction of Engineer in charge of the work.							
		Devinagar							
		Devingara 6th cross							
		side walls							
		left side drain							
0	30		sqm	4	30		0.65	78.00	✓
30	60		sqm	4	30		0.65	78.00	✓
60	90		sqm	4	30		0.65	78.00	✓
90	120		sqm	4	30		0.65	78.00	✓
120	150		sqm	4	30		0.60	72.00	✓
150	163.1		sqm	4	13.1		0.60	31.44	✓
		right side drain							
0	30		sqm	4	30		0.75	90.00	✓
30	60		sqm	4	30		0.75	90.00	✓
60	90		sqm	4	30		0.75	90.00	✓
90	120		sqm	4	30		0.75	90.00	✓
120	150		sqm	4	30		0.65	78.00	✓
150	163.1		sqm	4	13.1		0.65	34.06	✓
		Devinagar 6th A cross							

Contactor

PMC

Assistant Engineer 9/7

Assistant Executive Engineer

Assistant Executive Engine
Kodigehalli Sub Divisio
Yelahanka Zone, B.B.M.P.
Bangalore.

BRUHAT BANGALORE MAHANAGARA PALIKE									
PACKAGE-5									
NAME OF WORK:-Package-5, includes 4 works of Rs.170 Lakhs 1)Reasphalting to main and cross roads at B,Cand D Blocks of Sahakaranagara in ward no 8 Kodigehalli 2)Improvements to Roads and Drains at Devinagar and Lottegollahalli in Ward No 08 Kodigehalli 3)Improvements to roads and drains at Balaji layout and Surroundings in ward no 08 Kodigehalli 4)Providing and Laying new Road at Sonnegowda Layout and Surroundings in ward no 08Kodigehalli									
Agency:M/s KBR Infratech Limited, #01, 1st Floor, 8th Main, RMV Extn IInd Stage, Tatanagara, Bangalore -560094									
Measurements Taken On :									
MEASUREMENT SHEET - 1st and PART BILL									
		left side drain	sqm						
0	30		sqm	4	30		0.60	72.00	
30	60		sqm	4	30		0.60	72.00	
60	90		sqm	4	30		0.60	72.00	
90	108.3		sqm	4	18.3		0.65	47.58	
		Right Side							
0	30		sqm	4	30		0.65	78.00	
30	60		sqm	4	30		0.65	78.00	
60	90		sqm	4	30		0.60	72.00	
90	114		sqm	4	24		0.60	57.60	
		sai baba temple (near							
0	30		sqm	2	30		0.65	39.00	
		culvert							
0	6		sqm	2	6		0.60	7.20	
							TOTAL	**1482.88**	

Contactor PMC Assistant Engineer 9/7 Assistant Executive Engineer

Assistant Executive Engineer.
Kodigehalli Sub Division,
Yelahanka Zone, B.B.M.P.,
Bangalore.

BRUHAT BANGALORE MAHANAGARA PALIKE

PACKAGE-5

NAME OF WORK:-Package-5, includes 4 works of Rs.170 Lakhs 1)Reasphalting to main and cross roads at B,Cand D Blocks of Sahakaranagara in ward no 8 Kodigehalli 2)Improvements to Roads and Drains at Devinagar and Lottegollahalli in Ward No 08 Kodigehalli 3)Improvements to roads and drains at Balaji layout and Surroundings in ward no 08 Kodigehalli 4)Providing and Laying new Road at Sonnegowda Layout and Surroundings in ward no 08Kodigehalli

Agency:M/s KBR Infratech Limited, #01, 1st Floor, 8th Main, RMV Extn IInd Stage, Tatanagara, Bangalore -560094

Measurements Taken On :

MEASUREMENT SHEET - 1st and PART BILL

Item no.6		Providing and laying cement concrete using 20mm and downsize granite coarse aggregates and fine aggregates of ready mixed concrete (RMC) for RCC works laid in 15cms thick layers and well compacted vibrating, curing, finishing with necessary cement mortar, with all lead and lifts etc., complete (exclusive of cpost of steel and fabricaton charges) Ready Mixed Cement Concrete M 20 for Raft foundation, Column, Footing, main and secondary beams. (P.No.18, I.No.4.48 of PW, P&IWTD SR 2016-17)							
		Drain Bottom Slab							
		Devinagar							
		Devingara 6th cross							
		left side drain							
0	30		cum	1	30	0.95	0.15	4.28	
30	60		cum	1	30	0.90	0.15	4.05	
60	90		cum	1	30	0.90	0.15	4.05	
90	120		cum	1	30	0.95	0.15	4.28	
120	150		cum	1	30	0.95	0.15	4.28	
150	163.1		cum	1	13.1	0.95	0.15	1.87	
		right side drain							
0	30		cum	1	30	0.95	0.15	4.28	
30	60		cum	1	30	0.95	0.15	4.28	
60	90		cum	1	30	0.95	0.15	4.28	
90	120		cum	1	30	0.95	0.15	4.28	
120	150		cum	1	30	0.95	0.15	4.28	

KBR INFRATECH LIMITED BANGALORE

Contactor

RUDRAPRASAD CONSULTANTS BANGALORE

PMC

Assistant Engineer

Assistant Executive Engineer

Assistant Executive Engi
Kodigehalli Sub Divisio
Yelahanka Zone, B.B.M
Bangalore.

BRUHAT BANGALORE MAHANAGARA PALIKE

PACKAGE-5

NAME OF WORK:-Package-5, includes 4 works of Rs.170 Lakhs 1)Reasphalting to main and cross roads at B,Cand D Blocks of Sahakaranagara in ward no 8 Kodigehalli 2)Improvements to Roads and Drains at Devinagar and Lottegollahalli in Ward No 08 Kodigehalli 3)Improvements to roads and drains at Balaji layout and Surroundings in ward no 08 Kodigehalli 4)Providing and Laying new Road at Sonnegowda Layout and Surroundings in ward no 08Kodigehalli

Agency:M/s KBR Infratech Limited, #01, 1st Floor, 8th Main, RMV Extn IInd Stage, Tatanagara, Bangalore -560094

Measurements Taken On :

MEASUREMENT SHEET - 1st and PART BILL

150	163.1		cum	1	13.1	0.95	0.15	1.87	
		Devinagar 6th A cross							
		left side drain							
0	30		Cum	1	30	0.95	0.15	4.28	
30	60		Cum	1	30	0.90	0.15	4.05	
60	90		Cum	1	30	0.90	0.15	4.05	
90	108.3		Cum	1	18.3	0.95	0.15	2.61	7/7
		Right Side							
0	30		Cum	1	30	0.95	0.15	4.28	
30	60		Cum	1	30	0.95	0.15	4.28	
60	90		Cum	1	30	0.90	0.15	4.05	
90	114		Cum	1	24	0.95	0.15	3.42	
		sai baba temple (near kodigehalli circle)							
0	30		Cum	1	30	0.90	0.15	4.05	7/7
		Drain Side Walls							
		Devinagar							
		Devingara 6th cross							
		Left side drain							
0	30		cum	2	30	0.15	0.65	5.85	9/7
30	60		cum	2	30	0.15	0.65	5.85	
60	90		cum	2	30	0.15	0.65	5.85	

KBR INFRATECH LIMITED BANGALORE Contactor

UDHAPRASAD CONSULTANTS BANGALORE PMC

Assistant Engineer

Assistant Executive Engineer
Kodigehalli Sub Divisi
Yelahanka Zone, B.B.M
Bangalore.

BRUHAT BANGALORE MAHANAGARA PALIKE									
PACKAGE-5									
NAME OF WORK:-Package-5, includes 4 works of Rs.170 Lakhs 1)Reasphalting to main and cross roads at B,Cand D Blocks of Sahakaranagara in ward no 8 Kodigehalli 2)Improvements to Roads and Drains at Devinagar and Lottegollahalli in Ward No 08 Kodigehalli 3)Improvements to roads and drains at Balaji layout and Surroundings in ward no 08 Kodigehalli 4)Providing and Laying new Road at Sonnegowda Layout and Surroundings in ward no 08Kodigehalli									
Agency:M/s KBR Infratech Limited, #01, 1st Floor, 8th Main, RMV Extn IInd Stage, Tatanagara, Bangalore -560094									
Measurements Taken On :									
MEASUREMENT SHEET - 1st and PART BILL									
		Devinagar 6th A cross							
		left side drain							
0	30		Cum	2	30	0.15	0.60	5.40	
30	60		Cum	2	30	0.15	0.60	5.40	
60	90		Cum	2	30	0.15	0.65	5.85	
90	108.3		Cum	2	18.3	0.15	0.65	3.57	
		Right Side							
0	30		Cum	2	30	0.15	0.65	5.85	
30	60		Cum	2	30	0.15	0.65	5.85	
60	90		Cum	2	30	0.15	0.60	5.40	
90	114		Cum	2	24	0.15	0.60	4.32	
		sai baba temple (near kodigehalli circle)							
0	30		Cum	2	30	0.15	0.65	5.85	
		culvert							
0	6		Cum	2	6	0.25	0.60	1.80	
		muneshwara block 5th cross							
90	99.8		cum	1	9.8	3.80	0.12	4.47	
							TOTAL	**194.91**	

KBR INFRATECH LIMITED BANGALORE
Contactor

PMC
RUDRAPRASAD CONSULTANTS BANGALORE

Assistant Engineer 9/7

Assistant Executive Engineer

Assistant Executive Engineer.
Kodigehalli Sub Division,
Yelahanka Zone, B.B.M.P.,
Bangalore.

BRUHAT BANGALORE MAHANAGARA PALIKE

PACKAGE-5

NAME OF WORK:-Package-5, includes 4 works of Rs.170 Lakhs 1)Reasphalting to main and cross roads at B,Cand D Blocks of Sahakaranagara in ward no 8 Kodigehalli 2)Improvements to Roads and Drains at Devinagar and Lottegollahalli in Ward No 08 Kodigehalli 3)Improvements to roads and drains at Balaji layout and Surroundings in ward no 08 Kodigehalli 4)Providing and Laying new Road at Sonnegowda Layout and Surroundings in ward no 08Kodigehalli

Agency:M/s KBR Infratech Limited, #01, 1st Floor, 8th Main, RMV Extn IInd Stage, Tatanagara, Bangalore -560094

Measurements Taken On :

MEASUREMENT SHEET - 1st and PART BILL

Item no. 08 — Cement concrete pavement.Construction of un-reinforced plain cement concrete pavement, thickness as per design, over a prepared sub base with OPC cement or any other type as per clause 1051.2.2 design mix M20/M30 , with 25mm and down size graded granite metal coarse aggregates and fine aggregtes , with superplastisiser @3lts confirming to IS9103-1999 Reaffirmed-2008 , mixed in a concrete mixer of not less than 0.6 cum capacity and appropriate weigh batcher as per approved mix design, laid in approved fixed side form work (steel channel, laying and fixing of 125 micron thick polythene film, wedges, steel plates including levelling the form work as per drawing). Spreading the concrete with shovels, rackers compacted using needle, screed and plate vibrator and finished in a continuous operation including provision of contraction, expansion, construction and longitudinal joints including groove cutting charges, joint filler, separation membrane, selant primer, joint sealant, admixtures as approved, curing compound, finishing to lines and grades as per drawing complete as per specifications. - M30 (at 360Kg per cum coarse aggregate @ 0.69cum and fine aggregate @ 0.46cum)((P.No.177, I.No.22.2.1 of PW,P&IWTD SR 2016-17)

		muneshwara block 5th cross							
0	15		Cum	1	15	3.49	0.12	6.28	
15	20.1		Cum	1	5.1	4.15	0.12	2.54	
20.1	26.2		Cum	1	6.1	4.05	0.12	2.96	
26.2	41.2		Cum	1	15	3.95	0.12	7.11	
41.2	56.2		Cum	1	15	4.05	0.12	7.29	
56.2	71.2		Cum	1	15	3.80	0.12	6.84	
71.2	82.8		Cum	1	11.6	3.80	0.12	5.29	

KBR INFRATECH LIMITED — Contactor

RUDRAPRASAD CONSULTANTS BANGALORE — PMC

Assistant Engineer 10/2

Assistant Executive Engineer

Assistant Executive Engr
Kodigehalli Sub Divisio
Yelahanka Zone, B.B.M.
Bangalore,

BRUHAT BANGALORE MAHANAGARA PALIKE

PACKAGE-5

NAME OF WORK:-Package-5, includes 4 works of Rs.170 Lakhs 1)Reasphalting to main and cross roads at B,Cand D Blocks of Sahakaranagara in ward no 8 Kodigehalli 2)Improvements to Roads and Drains at Devinagar and Lottegollahalli in Ward No 08 Kodigehalli 3)Improvements to roads and drains at Balaji layout and Surroundings in ward no 08 Kodigehalli 4)Providing and Laying new Road at Sonnegowda Layout and Surroundings in ward no 08Kodigehalli

Agency:M/s KBR Infratech Limited, #01, 1st Floor, 8th Main, RMV Extn IInd Stage, Tatanagara, Bangalore -560094

Measurements Taken On :

MEASUREMENT SHEET - 1st and PART BILL

150	163.1		cum	1	13.1	0.95	0.15	1.87	
		Devinagar 6th A cross							
		left side drain							
0	30		Cum	1	30	0.95	0.15	4.28	
30	60		Cum	1	30	0.90	0.15	4.05	
60	90		Cum	1	30	0.90	0.15	4.05	
90	108.3		Cum	1	18.3	0.95	0.15	2.61	7/7
		Right Side							
0	30		Cum	1	30	0.95	0.15	4.28	
30	60		Cum	1	30	0.95	0.15	4.28	
60	90		Cum	1	30	0.90	0.15	4.05	
90	114		Cum	1	24	0.95	0.15	3.42	
		sai baba temple (near kodigehalli circle)							
0	30		Cum	1	30	0.90	0.15	4.05	7/7
		Drain Side Walls							
		Devinagar							
		Devingara 6th cross							
		Left side drain							
0	30		cum	2	30	0.15	0.65	5.85	9/7
30	60		cum	2	30	0.15	0.65	5.85	
60	90		cum	2	30	0.15	0.65	5.85	

KBR INFRATECH LIMITED BANGALORE Contactor

UDHAPRASAD CONSULTANTS BANGALORE PMC

Assistant Engineer

Assistant Executive Engineer
Kodigehalli Sub Divisi
Yelahanka Zone, B.B.M
Bangalore.

BRUHAT BANGALORE MAHANAGARA PALIKE									
PACKAGE-5									
NAME OF WORK:-Package-5, includes 4 works of Rs.170 Lakhs 1)Reasphalting to main and cross roads at B,Cand D Blocks of Sahakaranagara in ward no 8 Kodigehalli 2)Improvements to Roads and Drains at Devinagar and Lottegollahalli in Ward No 08 Kodigehalli 3)Improvements to roads and drains at Balaji layout and Surroundings in ward no 08 Kodigehalli 4)Providing and Laying new Road at Sonnegowda Layout and Surroundings in ward no 08Kodigehalli									
Agency:M/s KBR Infratech Limited, #01, 1st Floor, 8th Main, RMV Extn IInd Stage, Tatanagara, Bangalore -560094									
Measurements Taken On :									
MEASUREMENT SHEET - 1st and PART BILL									
82.8	90		Cum	1	7.2	3.80	0.12	3.28	
							TOTAL	**41.60**	

Contactor

PMC

Assistant Engineer

Assistant Executive Engineer

Assistant Executive Engineer
Kodigehalli Sub Division,
Yelahanka Zone, B.B.M.P.
Bangalore.

BRUHAT BANGALORE MAHANAGARA PALIKE

PACKAGE-5

NAME OF WORK:-Package-5, includes 4 works of Rs.170 Lakhs 1)Reasphalting to main and cross roads at B,Cand D Blocks of Sahakaranagara in ward no 8 Kodigehalli 2)Improvements to Roads and Drains at Devinagar and Lottegollahalli in Ward No 08 Kodigehalli 3)Improvements to roads and drains at Balaji layout and Surroundings in ward no 08 Kodigehalli 4)Providing and Laying new Road at Sonnegowda Layout and Surroundings in ward no 08Kodigehalli

Agency:M/s KBR Infratech Limited, #01, 1st Floor, 8th Main, RMV Extn IInd Stage, Tatanagara, Bangalore -560094

Measurements Taken On :

MEASUREMENT SHEET - 1st and PART BILL

Item no. 09		Vaccum de-watering with vaccum pump and suction mat and compaction with skin floater clubbed with floating disc including cost of generator, HOM of machinery, Screed Vibratory, Power Floater, blade and disc etc., with all lead and lift.(P.No.177, I.No.22.7 of PW, P&IWTD SR 2016-17)							
		muneshwara block 5th cross							
0	15		sqm	1	15	3.49		52.35	✓
15	20.1		sqm	1	5.1	4.15		21.17	✓
20.1	26.2		sqm	1	6.1	4.05		24.71	✓
26.2	41.2		sqm	1	15	3.95		59.25	✓
41.2	56.2		sqm	1	15	4.05		60.75	✓
56.2	71.2		sqm	1	15	3.80		57.00	✓
71.2	82.8		sqm	1	11.6	3.80		44.08	✓
82.8	90		sqm	1	7.2	3.80		27.36	✓
							TOTAL	**346.66**	✓

KBR INFRATECH LIMITED — Contractor

RUDRAPRASAD CONSULTANTS BANGALORE — PMC

Assistant Engineer 10/7

Assistant Executive Engineer

Assistant Executive Engineer
Kodigehalli Sub Division
Yelahanka Zone, B.B.M.P.,
Bangalore.

BRUHAT BANGALORE MAHANAGARA PALIKE

PACKAGE-5

NAME OF WORK:-Package-5, includes 4 works of Rs.170 Lakhs 1)Reasphalting to main and cross roads at B,Cand D Blocks of Sahakaranagara in ward no 8 Kodigehalli 2)Improvements to Roads and Drains at Devinagar and Lottegollahalli in Ward No 08 Kodigehalli 3)Improvements to roads and drains at Balaji layout and Surroundings in ward no 08 Kodigehalli 4)Providing and Laying new Road at Sonnegowda Layout and Surroundings in ward no 08Kodigehalli

Agency:M/s KBR Infratech Limited, #01, 1st Floor, 8th Main, RMV Extn IInd Stage, Tatanagara, Bangalore -560094

Measurements Taken On :

MEASUREMENT SHEET - 1st and PART BILL

Chainage		Description of Item	Unit	No	Length	Breadt	Depth	Quantity	Remarks
From	To				(m)	(m)	(m)		
		12main road 16 c cross road(sahakar nagar)							
		left side drain							
0	30		Cum	1	30.00	0.45	0.45	6.08	
30	60		Cum	1	30.00	0.50	0.45	6.75	
60	90		Cum	1	30.00	0.50	0.45	6.75	
90	121.2		Cum	1	31.20	0.45	0.45	6.32	

Contactor

PMC

Assistant Engineer 30/6

Assistant Executive Engineer

Assistant Executive Engineer
Kodigehalli Sub Division,
Yelahanka Zone, B.B.M.P.
Bangalore.

BRUHAT BANGALORE MAHANAGARA PALIKE

PACKAGE-5

NAME OF WORK:-Package-5, includes 4 works of Rs.170 Lakhs 1)Reasphalting to main and cross roads at B,Cand D Blocks of Sahakaranagara in ward no 8 Kodigehalli 2)Improvements to Roads and Drains at Devinagar and Lottegollahalli in Ward No 08 Kodigehalli 3)Improvements to roads and drains at Balaji layout and Surroundings in ward no 08 Kodigehalli 4)Providing and Laying new Road at Sonnegowda Layout and Surroundings in ward no 08Kodigehalli

Agency:M/s KBR Infratech Limited, #01, 1st Floor, 8th Main, RMV Extn IInd Stage, Tatanagara, Bangalore -560094

Measurements Taken On :

MEASUREMENT SHEET - 1st and PART BILL

Chainage From	Chainage To	Description of Item	Unit	No	Length (m)	Breadt (m)	Depth (m)	Quantity	Remarks
		right side drain							
0	30		Cum	1	30.00	0.50	0.45	6.75	
30	60		Cum	1	30.00	0.45	0.45	6.08	
60	90		Cum	1	30.00	0.50	0.45	6.75	
90	121.2		Cum	1	31.20	0.50	0.45	7.02	
		16 E cross road 9 main (sahakar nagar)							
		left side drain							
0	30		Cum	1	30.00	0.50	0.45	6.75	
30	60		Cum	1	30.00	0.45	0.45	6.08	
60	90		Cum	1	30.00	0.50	0.45	6.75	
90	121		Cum	1	31.00	0.45	0.45	6.28	
		right side drain							
0	30		Cum	1	30.00	0.49	0.45	6.62	
30	60		Cum	1	30.00	0.48	0.45	6.48	
60	90		Cum	1	30.00	0.50	0.45	6.75	
90	121		Cum	1	31.00	0.50	0.45	6.98	
		culvert							
0	6		Cum	1	6.00	2.00	1.00	12.00	
							TOTAL	233.02	

KBR INFRATECH LIMITED BANGALORE

Contactor

PMC

RUDRAPRASAD CONSULTANTS BANGALORE

Assistant Engineer 30/6

Assistant Executive Engineer

Assistant Executive Engineer
Kodigehalli Sub Division,
Yelahanka Zone, B.B.M.P.,
Bangalore.

BRUHAT BANGALORE MAHANAGARA PALIKE

PACKAGE-5

NAME OF WORK:-Package-5, includes 4 works of Rs.170 Lakhs 1)Reasphalting to main and cross roads at B,Cand D Blocks of Sahakaranagara in ward no 8 Kodigehalli 2)Improvements to Roads and Drains at Devinagar and Lottegollahalli in Ward No 08 Kodigehalli 3)Improvements to roads and drains at Balaji layout and Surroundings in ward no 08 Kodigehalli 4)Providing and Laying new Road at Sonnegowda Layout and Surroundings in ward no 08Kodigehalli

Agency:M/s KBR Infratech Limited, #01, 1st Floor, 8th Main, RMV Extn IInd Stage, Tatanagara, Bangalore -560094

Measurements Taken On :

MEASUREMENT SHEET - 1st and PART BILL

Chainage From	Chainage To	Description of Item	Unit	No	Length (m)	Breadt (m)	Depth (m)	Quantity	Remarks
Item no 10		Removing & Refixing Stone slabs of drains and Pointing in C.M(1:3) (P.No.25, I.No.5.33 of PW, P&IWTD SR 2016-17)							
		Balaji layout							
		9th main to 13th main (9th cross)							
		left side drain							
0	10		Sqm	1	10.00	1.35		13.50	
30	40		Sqm	1	10.00	1.35		13.50	
60	70		Sqm	1	10.00	1.35		13.50	
90	100		Sqm	1	10.00	1.35		13.50	
120	130.7		Sqm	1	10.74	1.35		14.50	
		Right side drain							
0	10		Sqm	1	10.00	1.35		13.50	
30	40		Sqm	1	10.00	1.35		13.50	
60	70		Sqm	1	10.00	1.35		13.50	
90	100		Sqm	1	10.00	1.35		13.50	
120	130.7		Sqm	1	10.74	1.35		14.50	
		12main road 16 c cross road(sahakar nagar)							
		left side drain							
2	10		Sqm	1	8.00	1.35		10.82	
30	35		Sqm	1	5.00	1.35		6.77	
80	86		Sqm	1	6.00	1.35		8.12	
92	94		Sqm	1	2.00	1.35		2.71	
		right side drain							
3	10		Sqm	1	7.00	1.35		9.47	
32	36		Sqm	1	4.00	1.35		5.41	
65	69		Sqm	1	4.00	1.35		5.41	
90	97		Sqm	1	7.00	1.35		9.47	
		16 E cross road 9 main (sahakar nagar)							

Contactor

PMC

Assistant Engineer

Assistant Executive Engineer

Assistant Executive Engineer
Kodigehalli Sub Division,
Yelahanka Zone, B.B.M.P.,
Bangalore.

BRUHAT BANGALORE MAHANAGARA PALIKE

PACKAGE-5

NAME OF WORK:-Package-5, includes 4 works of Rs.170 Lakhs 1)Reasphalting to main and cross roads at B,Cand D Blocks of Sahakaranagara in ward no 8 Kodigehalli 2)Improvements to Roads and Drains at Devinagar and Lottegollahalli in Ward No 08 Kodigehalli 3)Improvements to roads and drains at Balaji layout and Surroundings in ward no 08 Kodigehalli 4)Providing and Laying new Road at Sonnegowda Layout and Surroundings in ward no 08Kodigehalli

Agency:M/s KBR Infratech Limited, #01, 1st Floor, 8th Main, RMV Extn IInd Stage, Tatanagara, Bangalore -560094

Measurements Taken On :

MEASUREMENT SHEET - 1st and PART BILL

Chainage		Description of Item	Unit	No	Length	Breadt	Depth	Quantity	Remarks
From	To				(m)	(m)	(m)		
		left side drain							
12	16		Sqm	1	4.00	1.35		5.41	
28	31		Sqm	1	3.00	1.35		4.06	
52	58		Sqm	1	6.00	1.35		8.12	
80	86		Sqm	1	6.00	1.35		8.12	
92	98		Sqm	1	6.00	1.35		8.12	
		right side drain							
3	9		Sqm	1	6.00	1.35		8.12	
32	38		Sqm	1	6.00	1.35		8.12	
65	72		Sqm	1	7.00	1.35		9.47	
90	93		Sqm	1	3.00	1.35		4.06	
		COVERS							
		9th main to 13th main (9th cross)							
5	10		Sqm	1	5.00	1.20		6.00	
22	27		Sqm	1	5.00	1.20		6.00	
60	70		Sqm	1	10.00	1.20		12.00	
90	103		Sqm	1	13.00	1.20		15.60	
							TOTAL	**298.37**	

Contactor PMC Assistant Engineer Assistant Executive Engineer

BRUHAT BANGALORE MAHANAGARA PALIKE

PACKAGE-5

NAME OF WORK:-Package-5, includes 4 works of Rs.170 Lakhs 1)Reasphalting to main and cross roads at B,Cand D Blocks of Sahakaranagara in ward no 8 Kodigehalli 2)Improvements to Roads and Drains at Devinagar and Lottegollahalli in Ward No 08 Kodigehalli 3)Improvements to roads and drains at Balaji layout and Surroundings in ward no 08 Kodigehalli 4)Providing and Laying new Road at Sonnegowda Layout and Surroundings in ward no 08Kodigehalli

Agency:M/s KBR Infratech Limited, #01, 1st Floor, 8th Main, RMV Extn IInd Stage, Tatanagara, Bangalore -560094

Measurements Taken On :

MEASUREMENT SHEET - 1st and PART BILL

Chainage From	Chainage To	Description of Item	Unit	No	Length (m)	Breadt (m)	Depth (m)	Quantity	Remarks
Item no.11		Providing granite Slabs of Selected quality roughly dressed and fixed in cement mortor (1:6) including fixing curing etc,. Complete. 7.5cms thick (P.No.25, I.No.5.31.1 of PW, P&IWTD SR 2016-17)							
		cover							
		missing and damaged 20%						39.60	
		left side drain							
		Near kalpatharu apartment							
0	30		Sqm	1	30.00		1.35	40.50	
30	60		Sqm	1	30.00		1.35	40.50	
60	90		Sqm	1	30.00		1.35	40.50	
90	121		Sqm	1	31.00		1.35	41.85	
							TOTAL	**202.95**	

Contactor PMC Assistant Engineer Assistant Executive Engineer

Assistant Executive Engineer
Kodigehalli Sub Division,
Yelahanka Zone, B.B.M.P.,
Bangalore.

BRUHAT BANGALORE MAHANAGARA PALIKE

PACKAGE-5

NAME OF WORK:-Package-5, includes 4 works of Rs.170 Lakhs 1)Reasphalting to main and cross roads at B,Cand D Blocks of Sahakaranagara in ward no 8 Kodigehalli 2)Improvements to Roads and Drains at Devinagar and Lottegollahalli in Ward No 08 Kodigehalli 3)Improvements to roads and drains at Balaji layout and Surroundings in ward no 08 Kodigehalli 4)Providing and Laying new Road at Sonnegowda Layout and Surroundings in ward no 08Kodigehalli

Agency:M/s KBR Infratech Limited, #01, 1st Floor, 8th Main, RMV Extn IInd Stage, Tatanagara, Bangalore -560094

Measurements Taken On :

MEASUREMENT SHEET - 1st and PART BILL

Chainage From	Chainage To	Description of Item	Unit	No	Length (m)	Breadt (m)	Depth (m)	Quantity	Remarks
Item no.04		KSRB 4-1.2: Providing and laying in position plain cement concrete of mix 1:3:6 with OPC cement @ 220kgs, with 40mm and down size graded granite metal coarse aggregates @ 0.892 cum and fine aggregates @ 0.465 cum, machine mixed, concrete laid in layers not exceeding 15 cms. thick, well compacted, in foundation including cost of all materials, labour, HOM of machinery, curing complete as per specifications. Specification No. KBS 4.1, 4.2. (P.No.12, I.No.4.2 of PW,P&IWTD S.R 2016-17)							
		bed concrete	cum						
		Culvert							
0	6		cum	1	6.00	2.00	0.15	1.80	✓
		concrete for slope							
0	6		cum	2	6.00	0.75	0.10	0.90	✓
							TOTAL	**2.70**	✓

Contactor

PMC

Assistant Engineer 3/7

Assistant Executive Engineer

Kodigehalli Sub Division
Yelahanka Zone, B.B.M.P
Bangalore.

BRUHAT BANGALORE MAHANAGARA PALIKE

PACKAGE-5

NAME OF WORK:-Package-5, includes 4 works of Rs.170 Lakhs 1)Reasphalting to main and cross roads at B,Cand D Blocks of Sahakaranagara in ward no 8 Kodigehalli 2)Improvements to Roads and Drains at Devinagar and Lottegollahalli in Ward No 08 Kodigehalli 3)Improvements to roads and drains at Balaji layout and Surroundings in ward no 08 Kodigehalli 4)Providing and Laying new Road at Sonnegowda Layout and Surroundings in ward no 08Kodigehalli

Agency:M/s KBR Infratech Limited, #01, 1st Floor, 8th Main, RMV Extn IInd Stage, Tatanagara, Bangalore -560094

Measurements Taken On :

MEASUREMENT SHEET - 1st and PART BILL

Chainage		Description of Item	Unit	No	Length	Breadt	Depth	Quantity	Remarks
From	To				(m)	(m)	(m)		
Item no.13		KSRB 15.1.1 Providing flush pointing to square rubble, course or uncoursed stone masonry with cement mortar 1:3, 20mm deep, after raking joints to depth of 20mm nicely lining, including cost of materials, labour, curing complete as per specifications. (P.No.113, I.No.15.1 of PW, P&IWTD S.R 2016-17)							
		SSM Wall							
		Culvert							
0	6		sqm	2	6.00		0.80	9.60	
							TOTAL	**9.60**	

Contactor

PMC

Assistant Engineer 9/7

Assistant Executive Engineer

Assistant Executive Engineer.
Kodigehalli Sub Division,
Yelahanka Zone, B.B.M.P.,
Bangalore.

BRUHAT BANGALORE MAHANAGARA PALIKE

PACKAGE-5

NAME OF WORK:-Package-5, includes 4 works of Rs.170 Lakhs 1)Reasphalting to main and cross roads at B,Cand D Blocks of Sahakaranagara in ward no 8 Kodigehalli 2)Improvements to Roads and Drains at Devinagar and Lottegollahalli in Ward No 08 Kodigehalli 3)Improvements to roads and drains at Balaji layout and Surroundings in ward no 08 Kodigehalli 4)Providing and Laying new Road at Sonnegowda Layout and Surroundings in ward no 08Kodigehalli

Agency:M/s KBR Infratech Limited, #01, 1st Floor, 8th Main, RMV Extn IInd Stage, Tatanagara, Bangalore -560094

Measurements Taken On :

MEASUREMENT SHEET - 1st and PART BILL

Chainage From	Chainage To	Description of Item	Unit	No	Length (m)	Breadt (m)	Depth (m)	Quantity	Remarks
Item no.14		KSRB 4-1.6: Providing and laying in position plain cement concrete of mix 1:2:4 with cement @ 240kgs, with 20mm and down size graded granite metal coarse aggregates @ 0.878 cum and fine aggregates @ 0.459 cum, machine mixed, concrete laid in layers not exceeding 15 cms. thick, well compacted, in foundation and plinth, including cost of all materials, labour, HOM of machinery, curing complete as per specifications. Specification No. KBS 4.1, 4.2. (P.No.12, I.No.4.6 of PW,P&IWTD S.R 2016-17)							
		coping							
		Culvert							
0	6		cum	2	6.00	0.60	0.10	0.72	
							TOTAL	**0.72**	

Contactor

PMC

Assistant Engineer

Assistant Executive Engineer

Assistant Executive Engine
Kodigehalli Sub Division
Yelahanka Zone, B.B.M.P
Bangalore.

BRUHAT BANGALORE MAHANAGARA PALIKE

PACKAGE-5

NAME OF WORK:-Package-5, includes 4 works of Rs.170 Lakhs 1)Reasphalting to main and cross roads at B,Cand D Blocks of Sahakaranagara in ward no 8 Kodigehalli 2)Improvements to Roads and Drains at Devinagar and Lottegollahalli in Ward No 08 Kodigehalli 3)Improvements to roads and drains at Balaji layout and Surroundings in ward no 08 Kodigehalli 4)Providing and Laying new Road at Sonnegowda Layout and Surroundings in ward no 08Kodigehalli

Agency:M/s KBR Infratech Limited, #01, 1st Floor, 8th Main, RMV Extn IInd Stage, Tatanagara, Bangalore -560094

Measurements Taken On :

MEASUREMENT SHEET - 1st and PART BILL

Chainage From	Chainage To	Description of Item	Unit	No	Length (m)	Breadt (m)	Depth (m)	Quantity	Remarks
Item no.04		KSRB 4-1.2: Providing and laying in position plain cement concrete of mix 1:3:6 with OPC cement @ 220kgs, with 40mm and down size graded granite metal coarse aggregates @ 0.892 cum and fine aggregates @ 0.465 cum, machine mixed, concrete laid in layers not exceeding 15 cms. thick, well compacted, in foundation including cost of all materials, labour, HOM of machinery, curing complete as per specifications. Specification No. KBS 4.1, 4.2. (P.No.12, I.No.4.2 of PW,P&IWTD S.R 2016-17)							
		bed concrete	cum						
		Culvert							
0	6		cum	1	6.00	2.00	0.15	1.80	✓
		concrete for slope							
0	6		cum	2	6.00	0.75	0.10	0.90	✓
							TOTAL	**2.70**	✓

Contactor

PMC

Assistant Engineer 3/7

Assistant Executive Engineer

Kodigehalli Sub Division
Yelahanka Zone, B.B.M.P
Bangalore.

BRUHAT BANGALORE MAHANAGARA PALIKE

PACKAGE-5

NAME OF WORK:-Package-5, includes 4 works of Rs.170 Lakhs 1)Reasphalting to main and cross roads at B,Cand D Blocks of Sahakaranagara in ward no 8 Kodigehalli 2)Improvements to Roads and Drains at Devinagar and Lottegollahalli in Ward No 08 Kodigehalli 3)Improvements to roads and drains at Balaji layout and Surroundings in ward no 08 Kodigehalli 4)Providing and Laying new Road at Sonnegowda Layout and Surroundings in ward no 08Kodigehalli

Agency:M/s KBR Infratech Limited, #01, 1st Floor, 8th Main, RMV Extn IInd Stage, Tatanagara, Bangalore -560094

Measurements Taken On :

MEASUREMENT SHEET - 1st and PART BILL

Chainage From	Chainage To	Description of Item	Unit	No	Length (m)	Breadt (m)	Depth (m)	Quantity	Remarks
Item no.15		KSRRB M300-14. Excavation for roadwork in soil with hydraulic excavator of 0.90 cum bucket capacity including cutting and loading in tippers, trimming bottom and side slopes, in accordance with requirements of lines, grades and cross sections, and transporting to embankment location and complete as per specifications. MORTH Specification No.301 (P.No.143, I.No.19.14 of PW,P&IWTD S.R 2016-17)							
		Road Portion							
		Balaji Layout							
		8th main 2nd crossbalaji layout							
		Near kalpatharu apartment							
0	30		Cum	1	30.00	6.00	0.23	41.40	✓
30	60		Cum	1	30.00	5.45	0.23	37.61	✓
60	90		Cum	1	30.00	5.25	0.23	36.23	✓
90	121		Cum	1	31.00	5.35	0.23	38.15	✓
		Dee enclave main road							
0	30		Cum	1	30.00	8.60	0.23	59.34	✓
30	48.5		Cum	1	18.50	10.00	0.23	42.55	✓
		12main road 16 c cross road(sahakar nagar)							
10	14		Cum	1	4.00	0.90	0.23	0.83	✓
42	49		Cum	1	7.00	0.90	0.23	1.45	✓
		16 E cross road 9 main (sahakar nagar)							
20	26		Cum	1	6.00	1.10	0.23	1.52	✓
96	99		Cum	1	3.00	1.10	0.23	0.76	✓
							TOTAL	259.82	✓

Contactor

PMC

Assistant Engineer

Assistant Executive Engineer

Assistant Executive Engineer
Kodigehalli Sub Division,
Yelahanka Zone, B.B.M.P.,
Bangalore.

BRUHAT BANGALORE MAHANAGARA PALIKE

PACKAGE-5

NAME OF WORK:-Package-5, includes 4 works of Rs.170 Lakhs 1)Reasphalting to main and cross roads at B,Cand D Blocks of Sahakaranagara in ward no 8 Kodigehalli 2)Improvements to Roads and Drains at Devinagar and Lottegollahalli in Ward No 08 Kodigehalli 3)Improvements to roads and drains at Balaji layout and Surroundings in ward no 08 Kodigehalli 4)Providing and Laying new Road at Sonnegowda Layout and Surroundings in ward no 08Kodigehalli

Agency:M/s KBR Infratech Limited, #01, 1st Floor, 8th Main, RMV Extn IInd Stage, Tatanagara, Bangalore -560094

Measurements Taken On :

MEASUREMENT SHEET - 1st and PART BILL

Chainage From	Chainage To	Description of Item	Unit	No	Length (m)	Breadt (m)	Depth (m)	Quantity	Remarks
Item no.16		KSRRB M 400-17, Providing, laying, spreading and compacting graded stone aggregate to wet mix macadam specification including premixing the Material with water at OMC in mechaniqal mix plant carriage ' of mixed Material by tipper to site, laying in uniform layers with paver in sub- base/ base course on well prepared surface and compacting with vibratory roller to achieve the desired density.complete as per specifications. MORTH Specification No. 406 (P.No.158, I.No.20.18 of PW,P&IWTD SR 2016-17)							
		Road Portion							
		Balaji Layout							
		8th main 2nd crossbalaji layout							
		Near kalpatharu apartment							
0	30		cum	1	30.00	6.00	0.23	41.40	✓
30	60		cum	1	30.00	5.45	0.23	37.61	✓
60	90		cum	1	30.00	5.25	0.23	36.23	✓
90	121		cum	1	31.00	5.35	0.23	38.15	✓
		Dee enclave main road							
0	30		cum	1	30.00	8.60	0.23	59.34	✓
30	48.5		cum	1	18.50	10.00	0.23	42.55	✓
		12main road 16 c cross road(sahakar nagar)							
10	14		Cum	1	4.00	0.90	0.23	0.83	✓
42	49		Cum	1	7.00	0.90	0.23	1.45	✓
		16 E cross road 9 main (sahakar nagar)							
20	26		Cum	1	6.00	1.10	0.23	1.52	✓
96	99		Cum	1	3.00	1.10	0.23	0.76	✓

Contactor

PMC

Assistant Engineer 13/7

Assistant Executive Engineer

Assistant Executive Engineer
Kodigehalli Sub Division,
Yelahanka Zone, B.B.M.P.,
Bangalore.

BRUHAT BANGALORE MAHANAGARA PALIKE

PACKAGE-5

NAME OF WORK:-Package-5, includes 4 works of Rs.170 Lakhs 1)Reasphalting to main and cross roads at B,Cand D Blocks of Sahakaranagara in ward no 8 Kodigehalli 2)Improvements to Roads and Drains at Devinagar and Lottegollahalli in Ward No 08 Kodigehalli 3)Improvements to roads and drains at Balaji layout and Surroundings in ward no 08 Kodigehalli 4)Providing and Laying new Road at Sonnegowda Layout and Surroundings in ward no 08Kodigehalli

Agency:M/s KBR Infratech Limited, #01, 1st Floor, 8th Main, RMV Extn IInd Stage, Tatanagara, Bangalore -560094

Measurements Taken On :

MEASUREMENT SHEET - 1st and PART BILL

Chainage		Description of Item	Unit	No	Length	Breadt	Depth	Quantity	Remarks
From	To				(m)	(m)	(m)		
							TOTAL	259.82	✓

Contactor PMC Assistant Engineer 13/7 Assistant Executive Engineer

KBR INFRATECH LIMITED BANGALORE

RUDRAPRASAD CONSULTANTS BANGALORE

Assistant Executive Engineer
Kodigehalli Sub Division
Yelahanka Zone, B.B.M.P.
Bangalore.

BRUHAT BANGALORE MAHANAGARA PALIKE

PACKAGE-5

NAME OF WORK:-Package-5, includes 4 works of Rs.170 Lakhs 1)Reasphalting to main and cross roads at B,Cand D Blocks of Sahakaranagara in ward no 8 Kodigehalli 2)Improvements to Roads and Drains at Devinagar and Lottegollahalli in Ward No 08 Kodigehalli 3)Improvements to roads and drains at Balaji layout and Surroundings in ward no 08 Kodigehalli 4)Providing and Laying new Road at Sonnegowda Layout and Surroundings in ward no 08Kodigehalli

Agency:M/s KBR Infratech Limited, #01, 1st Floor, 8th Main, RMV Extn IInd Stage, Tatanagara, Bangalore -560094

Measurements Taken On :

MEASUREMENT SHEET - 1st and PART BILL

Chainage From	Chainage To	Description of Item	Unit	No	Length (m)	Breadt (m)	Depth (m)	Quantity	Remarks
Item no.18		Cleaning the existing black topped surface with brooms, soft brushes and finally dusting with old gunny bags and / or compressed air to receive bituminous treatement including cost of all materials, labour, HOM of machineries complete as per specifications and as per the direction of Engineer in charge of the work.							
		Balaji Layout							
		Dee enclave							
0	30		sqm	1	30.00	5.80		174.00	
30	48.6			1	18.60	6.00		111.60	
		Dee enclave cross road							
0	21		sqm	1	21.00	5.05		106.05	
		9th main to 13th main (9th cross)							
0	30		sqm	1	30.00	6.75		202.50	
30	60		sqm	1	30.00	6.45		193.50	
60	90		sqm	1	30.00	6.50		195.00	
90	120		sqm	1	30.00	6.30		189.00	
120	150		sqm	1	30.00	6.50		195.00	
150	158		sqm	1	8.00	6.45		51.60	
		12main road 16 c cross road(sahakar nagar)							
0	30		sqm	1	30.00	7.90		237.00	
30	60		sqm	1	30.00	7.10		213.00	
60	90		sqm	1	30.00	6.70		201.00	
90	121.2		sqm	1	31.20	7.60		237.12	
		16 E cross road 9 main (sahakar nagar)							
0	30		sqm	1	30.00	7.70		231.00	
30	60		sqm	1	30.00	7.40		222.00	
60	90		sqm	1	30.00	7.25		217.50	

KBR INFRATECH LIMITED BANGALORE

Contactor

PMC

RUDRAPRASAD CONSULTANTS BANGALORE

Assistant Engineer 20/7

Assistant Executive Engineer

Assistant Executive Engineer
Kodigehalli Sub Division,
Yelahanka Zone, B.B.M.P.
Bangalore.

BRUHAT BANGALORE MAHANAGARA PALIKE

PACKAGE-5

NAME OF WORK:-Package-5, includes 4 works of Rs.170 Lakhs 1)Reasphalting to main and cross roads at B,Cand D Blocks of Sahakaranagara in ward no 8 Kodigehalli 2)Improvements to Roads and Drains at Devinagar and Lottegollahalli in Ward No 08 Kodigehalli 3)Improvements to roads and drains at Balaji layout and Surroundings in ward no 08 Kodigehalli 4)Providing and Laying new Road at Sonnegowda Layout and Surroundings in ward no 08Kodigehalli

Agency:M/s KBR Infratech Limited, #01, 1st Floor, 8th Main, RMV Extn IInd Stage, Tatanagara, Bangalore -560094

Measurements Taken On :

MEASUREMENT SHEET - 1st and PART BILL

Chainage		Description of Item	Unit	No	Length	Breadt	Depth	Quantity	Remarks
From	To				(m)	(m)	(m)		
90	121		sqm	1	31.00	7.90		244.90	✓
							Total	3221.8	✓
								1129.6 ✓	
		Deduct primer coat						~~1123.77~~	✓
							Total	~~2098.0~~	

2092.15 ✓

Contactor

PMC

Assistant Engineer 20/7

Assistant Executive Engineer

Assistant Executive Engine
Kodigehalli Sub Division,
Yelahanka Zone, B.B.M.P.
Bangalore.

BRUHAT BANGALORE MAHANAGARA PALIKE

PACKAGE-5

NAME OF WORK:-Package-5, includes 4 works of Rs.170 Lakhs 1)Reasphalting to main and cross roads at B,Cand D Blocks of Sahakaranagara in ward no 8 Kodigehalli 2)Improvements to Roads and Drains at Devinagar and Lottegollahalli in Ward No 08 Kodigehalli 3)Improvements to roads and drains at Balaji layout and Surroundings in ward no 08 Kodigehalli 4)Providing and Laying new Road at Sonnegowda Layout and Surroundings in ward no 08Kodigehalli

Agency:M/s KBR Infratech Limited, #01, 1st Floor, 8th Main, RMV Extn IInd Stage, Tatanagara, Bangalore -560094

Measurements Taken On :

MEASUREMENT SHEET - 1st and PART BILL

Chainage From	Chainage To	Description of Item	Unit	No	Length (m)	Breadt (m)	Depth (m)	Quantity	Remarks
item no.19		Providing and applying tack coat using 80/100 grade bitumen (VG10) on prepared black topped surfaces at 2.5 Kg per 10 sqm, heating bitumen in boiler fitted with spray set (excluding cleaning of road surface) including cost of all materials, labour, HOM of machineries complete as per specifications and as per the direction of Engineer in charge of the work.							
		Balaji Layout							
		For Laying DBM							
		8th main 2nd crossbalaji layout							
		Near kalpatharu apartment							
0	30		sqm	1	30.00	6.00		180.00	
30	60		sqm	1	30.00	5.45		163.50	
60	90		sqm	1	30.00	5.25		157.50	
90	121		sqm	1	31.00	5.35		165.85	
		Dee enclave							
0	30		sqm	1	30.00	8.60		258.00	
30	48.6		sqm	1	18.60	10.00		186.00	
		12main road 16 c cross road(sahakar nagar)							
10	14		sqm	1	4.00	0.90		3.60	
42	49		sqm	1	7.00	0.90		6.30	
		16 E cross road 9 main (sahakar nagar)							
20	26		sqm	1	6.00	1.10		6.60	
96	99		sqm	1	3.00	1.10		3.30	
		For Laying BC							
		Dee enclave							

Contactor PMC Assistant Engineer 20/7 Assistant Executive Engineer

KBR INFRATECH LIMITED BANGALORE

RUDRAPRASAD CONSULTANTS BANGALORE

Assistant Executive Engineer
Kodigehalli Sub Division,
Yelahanka Zone, B.B.M.P.,
Bangalore.

BRUHAT BANGALORE MAHANAGARA PALIKE

PACKAGE-5

NAME OF WORK:-Package-5, includes 4 works of Rs.170 Lakhs 1)Reasphalting to main and cross roads at B,Cand D Blocks of Sahakaranagara in ward no 8 Kodigehalli 2)Improvements to Roads and Drains at Devinagar and Lottegollahalli in Ward No 08 Kodigehalli 3)Improvements to roads and drains at Balaji layout and Surroundings in ward no 08 Kodigehalli 4)Providing and Laying new Road at Sonnegowda Layout and Surroundings in ward no 08Kodigehalli

Agency:M/s KBR Infratech Limited, #01, 1st Floor, 8th Main, RMV Extn IInd Stage, Tatanagara, Bangalore -560094

Measurements Taken On :

MEASUREMENT SHEET - 1st and PART BILL

Chainage		Description of Item	Unit	No	Length	Breadt	Depth	Quantity	Remarks
From	To				(m)	(m)	(m)		
0	30		sqm	1	30.00	5.80		174.00	
30	48.6		sqm	1	18.60	5.60		104.16	
		Dee enclave cross road							
0	21		sqm	1	21.00	5.05		106.05	
		Dee enclave main road							
0	30		sqm	1	30.00	8.60		258.00	
30	48.6		sqm	1	18.60	10.00		186.00	
		9th main to 13th main (9th cross)							
0	30		sqm	1	30.00	6.75		202.50	
30	60		sqm	1	30.00	6.45		193.50	
60	90		sqm	1	30.00	6.50		195.00	
90	120		sqm	1	30.00	6.30		189.00	
120	150		sqm	1	30.00	6.50		195.00	
150	158		sqm	1	8.00	6.45		51.60	
		12main road 16 c cross road(sahakar nagar)							
0	30		sqm	1	30.00	7.90		237.00	
30	60		sqm	1	30.00	7.10		213.00	
60	90		sqm	1	30.00	6.70		201.00	
90	121.2		sqm	1	31.20	7.60		237.12	
		16 E cross road 9 main (sahakar nagar)							
0	30		sqm	1	30.00	7.70		231.00	
30	60		sqm	1	30.00	7.40		222.00	
60	90		sqm	1	30.00	7.25		217.50	
90	121		sqm	1	31.00	7.90		244.90	

KBR INFRATECH LIMITED

Contactor

PMC

RUDRAPRASAD CONSULTANTS BANGALORE

Assistant Engineer 20/7

Assistant Executive Engineer

Assistant Executive Engineer
Kodigehalli Sub Division,
Yelahanka Zone, B.B.M.P.,
Bangalore.

BRUHAT BANGALORE MAHANAGARA PALIKE

PACKAGE-5

NAME OF WORK:-Package-5, includes 4 works of Rs.170 Lakhs 1)Reasphalting to main and cross roads at B,Cand D Blocks of Sahakaranagara in ward no 8 Kodigehalli 2)Improvements to Roads and Drains at Devinagar and Lottegollahalli in Ward No 08 Kodigehalli 3)Improvements to roads and drains at Balaji layout and Surroundings in ward no 08 Kodigehalli 4)Providing and Laying new Road at Sonnegowda Layout and Surroundings in ward no 08Kodigehalli

Agency:M/s KBR Infratech Limited, #01, 1st Flocr, 8th Main, RMV Extn IInd Stage, Tatanagara, Bangalore -560094

Measurements Taken On :

MEASUREMENT SHEET - 1st and PART BILL

Chainage		Description of Item	Unit	No	Length	Breadt	Depth	Quantity	Remarks
From	To				(m)	(m)	(m)		
							Total	4789.0	✓

KBR INFRATECH LIMITED BANGALORE

Contactor

PMC

RUDRAPRASAD CONSULTANTS BANGALORE

Assistant Engineer 20/7

Assistant Executive Engineer

Assistant Executive Engineer,
Kodigehalli Sub Division,
Yelahanka Zone, B.B.M.P.,
Bangalore.

BRUHAT BANGALORE MAHANAGARA PALIKE

PACKAGE-5

NAME OF WORK:-Package-5, includes 4 works of Rs.170 Lakhs 1)Reasphalting to main and cross roads at B,Cand D Blocks of Sahakaranagara in ward no 8 Kodigehalli 2)Improvements to Roads and Drains at Devinagar and Lottegollahalli in Ward No 08 Kodigehalli 3)Improvements to roads and drains at Balaji layout and Surroundings in ward no 08 Kodigehalli 4)Providing and Laying new Road at Sonnegowda Layout and Surroundings in ward no 08Kodigehalli

Agency:M/s KBR Infratech Limited, #01, 1st Floor, 8th Main, RMV Extn IInd Stage, Tatanagara, Bangalore -560094

Measurements Taken On :

MEASUREMENT SHEET - 1st and PART BILL

Chainage From	Chainage To	Description of Item	Unit	No	Length (m)	Breadt (m)	Depth (m)	Quantity	Remarks
Item no.20		KSRRB M500-16. Providing and laying dense bituminous macadam 50-75mm compacted thickness with 4.5% VG-30 Bitumen using 40/60 TPH capacity H.M.P, using crushed aggregates of grading II, premixed with VG 30 grade bituminous binder and transporting the hot mix to work site, laying with mechanical paver to the required grade level and alignment rolling with smooth wheeled, vibratory and tandem rollers to achieve the desired compaction as per MORTH table 500-10, complete in all respects complete as per specification MORTH specification No. 507 (P.No.163 I.No. 21.17.6 of PW,P&IWTD S.R 2016-17)							
		Balaji Layout							
		Near kalpatharu apartment							
0	30		cum	1	30.00	6.00	0.05	9.00	✓
30	60		cum	1	30.00	5.45	0.05	8.18	✓
60	90		cum	1	30.00	5.25	0.05	7.88	✓
90	121		cum	1	31.00	5.35	0.05	8.29	✓
		Dee enclave							
0	30		cum	1	30.00	8.60	0.05	12.90	✓
30	48.6		cum	1	18.60	10.00	0.05	9.30	✓
		12main road 16 c cross road(sahakar nagar)							
10	14		cum	1	4.00	0.90	0.05	0.18	✓
42	49		cum	1	7.00	0.90	0.05	0.32	✓
		16 E cross road 9 main (sahakar nagar)							
20	26		cum	1	6.00	1.10	0.05	0.33	✓
96	99		cum	1	3.00	1.10	0.05	0.17	✓
		Bad recharge and profile correction							

KBR INFRATECH LIMITED BANGALORE

Contactor

PMC

SUDHARSAD CONSULTANTS BANGALORE

Assistant Engineer 17/7

Assistant Executive Engineer

Assistant Executive Engineer
Koramangala Sub Division,
Yelahanka Zone, B.B.M.P.,
Bangalore.

BRUHAT BANGALORE MAHANAGARA PALIKE

PACKAGE-5

NAME OF WORK:-Package-5, includes 4 works of Rs.170 Lakhs 1)Reasphalting to main and cross roads at B,Cand D Blocks of Sahakaranagara in ward no 8 Kodigehalli 2)Improvements to Roads and Drains at Devinagar and Lottegollahalli in Ward No 08 Kodigehalli 3)Improvements to roads and drains at Balaji layout and Surroundings in ward no 08 Kodigehalli 4)Providing and Laying new Road at Sonnegowda Layout and Surroundings in ward no 08Kodigehalli

Agency:M/s KBR Infratech Limited, #01, 1st Floor, 8th Main, RMV Extn IInd Stage, Tatanagara, Bangalore -560094

Measurements Taken On :

MEASUREMENT SHEET - 1st and PART BILL

Chainage		Description of Item	Unit	No	Length	Breadt	Depth	Quantity	Remarks
From	To				(m)	(m)	(m)		
20	23.5		cum	2	3.50	4.50	0.05	1.58	
56	63.8		cum	1	7.80	1.50	0.05	0.59	
80	90.2		cum	2	10.20	3.60	0.05	3.67	
							TOTAL	62.36	

Contactor

PMC

Assistant Engineer

Assistant Executive Engineer

Assistant Executive Engineer
Kodigehalli Sub Division,
Yelahanka Zone, B.B.M.P.
Bangalore.

BRUHAT BANGALORE MAHANAGARA PALIKE

PACKAGE-5

NAME OF WORK:-Package-5, includes 4 works of Rs.170 Lakhs 1)Reasphalting to main and cross roads at B,Cand D Blocks of Sahakaranagara in ward no 8 Kodigehalli 2)Improvements to Roads and Drains at Devinagar and Lottegollahalli in Ward No 08 Kodigehalli 3)Improvements to roads and drains at Balaji layout and Surroundings in ward no 08 Kodigehalli 4)Providing and Laying new Road at Sonnegowda Layout and Surroundings in ward no 08Kodigehalli

Agency:M/s KBR Infratech Limited, #01, 1st Floor, 8th Main, RMV Extn IInd Stage, Tatanagara, Bangalore -560094

Measurements Taken On :

MEASUREMENT SHEET - 1st and PART BILL

Chainage From	Chainage To	Description of Item	Unit	No	Length (m)	Breadt (m)	Depth (m)	Quantity	Remarks
Item no.21		KSRRB M500-19. Providing and laying bituminous concrete 30-40 mm compacted thickness with VG30 Bitumen grade using 40-60 HMP using crushed aggregates of grading II, premixed with bituminous binder at 5.4% of mix and filler, transporting the hot mix to work site, laying with a mechanical paver finisher to the required grade, level and alignment, rolling with smooth wheeled, vibratory and tandem rollers to achieve the desired compaction as per MoRT&H specification clause No. 500.9 complete in all respects as per specifications. MORTH Specification No. 509 (P.No.165 of I.No.21.22.6 in PW,P&IWTD S.R 2016-17)							
		Balaji Layout							
		8th main 2nd crossbalaji layout							
		Near kalpatharu apartment							
0	30		cum	1	30.00	6.00	0.04	7.20	✓
30	60		cum	1	30.00	5.45	0.04	6.54	✓
60	90		cum	1	30.00	5.25	0.04	6.30	✓
90	121		cum	1	31.00	5.35	0.04	6.63	✓
		Dee enclave							
0	21		cum	1	21.00	5.05	0.04	4.24	✓
		Dee enclave							
0	30		cum	1	30.00	5.80	0.04	6.96	✓
30	48.6		cum	1	18.60	5.60	0.04	4.17	✓
		Dee enclave main road							
0	30		cum	1	30.00	8.60	0.04	10.32	✓
30	48.5		cum	1	18.50	10.00	0.04	7.40	✓
		9th main to 13th main (9th cross)							
0	30		cum	1	30.00	6.75	0.04	8.10	✓
30	60		cum	1	30.00	6.45	0.04	7.74	✓
60	90		cum	1	30.00	6.50	0.04	7.80	✓

CAFE 20/08

KBR INFRATECH LIMITED BANGALORE

Contactor

PMC

RUDRAPRASAD CONSULTANTS BANGALORE

Assistant Engineer 20/7

Assistant Executive Engineer

Assistant Executive Engineer
Kodigehalli Sub Division,
Yelahanka Zone, B.B.M.P.,
Bangalore.

BRUHAT BANGALORE MAHANAGARA PALIK

PACKAGE-5

NAME OF WORK:-Package-5, includes 4 works of Rs.170 Lakhs 1)Reasphalting to main and cross roads at B,Cand D Blocks of Sahakaranagara in ward no 8 Kodigehalli 2)Improvements to Roads and Drains at Devinagar and Lottegollahalli in Ward No 08 Kodigehalli 3)Improvements to roads and drains at Balaji layout and Surroundings in ward no 08 Kodigehalli 4)Providing and Laying new Road at Sonnegowda Layout and Surroundings in ward no 08Kodigehalli

Agency:M/s KBR Infratech Limited, #01, 1st Floor, 8th Main, RMV Extn IInd Stage, Tatanagara, Bangalore -560094

Measurements Taken On :

MEASUREMENT SHEET - 1st and PART BILL

Chainage From	Chainage To	Description of Item	Unit	No	Length (m)	Breadt (m)	Depth (m)	Quantity	Remarks
90	120		cum	1	30.00	6.30	0.04	7.56	
120	150		cum	1	30.00	6.50	0.04	7.80	
150	158		cum	1	8.00	6.45	0.04	2.06	
		12main road 16 c cross road(sahakar nagar)							
0	30		cum	1	30.00	7.90	0.04	9.48	
30	60		cum	1	30.00	7.10	0.04	8.52	
60	90		cum	1	30.00	6.70	0.04	8.04	
90	121.2		cum	1	31.20	7.60	0.04	9.48	
		16 E cross road 9 main (sahakar nagar)							
0	30		cum	1	30.00	7.70	0.04	9.24	
30	60		cum	1	30.00	7.40	0.04	8.88	
60	90		cum	1	30.00	7.25	0.04	8.70	
90	121		cum	1	31.00	7.90	0.04	9.80	
							TOTAL	**172.97**	

Contactor

PMC

RUDRAPRASAD CONSULTANTS BANGALORE

Assistant Engineer

Assistant Executive Engineer

Assistant Executive Engineer,
Kodigehalli Sub Division,
Yelahanka Zone, B.B.M.P.,
Bangalore.

BRUHAT BANGALORE MAHANAGARA PALIKE

PACKAGE-5

NAME OF WORK:-Package-5, includes 4 works of Rs.170 Lakhs 1)Reasphalting to main and cross roads at B,Cand D Blocks of Sahakaranagara in ward no 8 Kodigehalli 2)Improvements to Roads and Drains at Devinagar and Lottegollahalli in Ward No 08 Kodigehalli 3)Improvements to roads and drains at Balaji layout and Surroundings in ward no 08 Kodigehalli 4)Providing and Laying new Road at Sonnegowda Layout and Surroundings in ward no 08Kodigehalli

Agency:M/s KBR Infratech Limited, #01, 1st Floor, 8th Main, RMV Extn IInd Stage, Tatanagara, Bangalore -560094

Measurements Taken On :

MEASUREMENT SHEET - 1st and PART BILL

Chainage From	Chainage To	Description of Item	Unit	No	Length (m)	Breadt (m)	Depth (m)	Quantity	Remarks
Item no.22		KSRRB M800-13. Providing and laying of hot applied thermoplastic compound 2.5 mm thick including reflectorising glass beads at 250 gms per sqm area, thickness of 2.5mm is exclusive of surface applied glass beads as per IRC:35. The finished surface to be level, uniform and free from streaks and holes complete as per specifications. MORTH Specification No. 803.(P.No.185, I.No.24.15 of PW,P&IWTD SR 2016-17)							
		Dee enclave							
		centre line							
		8th main 2nd crossbalaji layout							
		Near kalpatharu apartment							
		centre line							
0	121		sqm	0.5	121.00	0.15		9.08	✓
		9th main to 13th main (9th cross)							
		centre line							
0	158		sqm	0.5	158.00	0.15		11.85	✓
		edge line							
0	158		sqm	2	158.00	0.15		47.40	✓
		12main road 16 c cross road(sahakar nagar)							
		centre line							
0	121.2		sqm	0.5	121.20	0.15		9.09	✓
		edge line							
0	121.2		sqm	2	121.20	0.15		36.36	✓
		16 E cross road 9 main (sahakar nagar)							

Contactor — PMC — Assistant Engineer 2/8 — Assistant Executive Engineer

KBR INFRATECH LIMITED BANGALORE

RUDRAPRASAD CONSULT. BANGALORE

Assistant Executive Engineer
Kodigehalli Sub Division,
Yelahanka Zone, B.B.M.P.,
Bangalore.

BRUHAT BANGALORE MAHANAGARA PALIKE

PACKAGE-5

NAME OF WORK:-Package-5, includes 4 works of Rs.170 Lakhs 1)Reasphalting to main and cross roads at B,Cand D Blocks of Sahakaranagara in ward no 8 Kodigehalli 2)Improvements to Roads and Drains at Devinagar and Lottegollahalli in Ward No 08 Kodigehalli 3)Improvements to roads and drains at Balaji layout and Surroundings in ward no 08 Kodigehalli 4)Providing and Laying new Road at Sonnegowda Layout and Surroundings in ward no 08Kodigehalli

Agency:M/s KBR Infratech Limited, #01, 1st Floor, 8th Main, RMV Extn IInd Stage, Tatanagara, Bangalore -560094

Measurements Taken On :

MEASUREMENT SHEET - 1st and PART BILL

Chainage		Description of Item	Unit	No	Length	Breadt	Depth	Quantity	Remarks
From	To				(m)	(m)	(m)		
		centre line							
0	121		sqm	0.5	121.00	0.15		9.08	
		edge line							
0	121		sqm	2	121.00	0.15		36.30	
							TOTAL	**159.15**	

KBR INFRATECH LIMITED BANGALORE

Contactor

RUDRAPRASAD CONSULTANTS BANGALORE

PMC

Assistant Engineer

Assistant Executive Engineer

Assistant Executive Engineer
Kodigehalli Sub Division,
Yelahanka Zone, B.B.M.P,
Bangalore.